



# Air Force Research Laboratory|AFRL

*Science and Technology for Tomorrow's Air and Space Force*

## **Success Story**

### **DR. PETER WEGNER RECEIVES THE HAROLD BROWN SCIENCE AND TECHNOLOGY AWARD**



Dr. Peter Wegner of the Space Vehicles Directorate received the Harold Brown Science and Technology Award for his outstanding contributions in the area of space vehicles structures. His extraordinary accomplishments directly improved the operational effectiveness of the Air Force by providing important new capabilities that significantly enhance space vehicle performance and save operational costs.



Air Force Research Laboratory  
Wright-Patterson AFB OH

### **Accomplishment**

The vision and creativity of Dr. Wegner resulted in the development, fabrication, flight qualification, delivery, and transition of a new capability that will utilize excess/unused evolved expendable launch vehicle (EELV) payload margins. The EELV secondary payload adapter (ESPA), the first and only system of its kind available on a US launch system, has the capability to deploy up to seven satellites on a single EELV.

Building on the success of the ESPA effort, Dr. Wegner directed his team to move aggressively to develop five additional spacecraft and launch vehicle structural technology programs. In addition to these contributions, Dr Wegner has been actively developing new spacecraft component technologies for precision space systems, including surveillance systems and directed energy weapons.

### **Background**

Dr. Wegner is responsible for directing, coordinating, and planning a comprehensive set of technology programs that support more than 30 near-term space systems. His 18-person team performs both basic and applied research and manages 20 spacecraft and launch technology transitions/transfers, flight experiments, numerous ground-based demonstration programs, and over 100 contractual efforts. His tremendous leadership, engineering, and program management skills have distinguished him as a top performer.

Space Vehicles  
Awards and Recognition

### **Additional information**

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (03-VS-28)